WHAT HAPPENS WHEN A MODERN MAN OF WAR GOES INTO BATTLE.

A Naval Expert Describes the Preparatious For Actual Conflict and the Battle.

ern battleship.

As the most formidable example of our commissioned battleships, let us see how we have prepared the lowa to give and take, and try to follow in part what might reasonably be expected of how in our continuous and the continuous continuou

The battleship in action is not an untried factor in modern warfare. We know something of its disastrous power in the hands of Chinese, even hampered by tampered ammunition and other consequences of official peculation. But just what to expect of a strictly modern battleship in the hands of either European or efficient. Americans is something too momentous to predigt.

A modern battleship is the most typical aggregation of all the fruits of present cunning, and the man that can utilize successfully all the powers placed there at his command will be able to deal such blows as only the most vivid imagination can begin to compass. Awed as we are by natures working in the evidence of a thunderstorm, still the worst fury of lightning is modest beside the individual force of some of the guns carried by a modern battleship.

As the most formidable example of our commissioned battleship, let us see how we have prepared the lowa to give and take, and try to follow in part what might reasonably be expected of her in action.

Chicked in her reace time does not a wear and deck, behind many feet of shelering deck, behind many feet of shelering tool. So wisely is her supply of 1.890 to so flaming in many feet of shelering tool. So wisely is her supply of 1.890 tons distributed, and beneath the water. He need the reach she at the water of a forman worthy of that the owner of so from an at the large of the armor bett inbourd the protective deck, slightly thicker. Trust Erward and aft to the ends, and forms, at the bow of the apine for the neads of the successfully all the powers water line belt the sides are of armor five linches thick; and it is from behind the protective and about the productive deck. The ends of this thinner helt also turn slantingly inhomed and athwartships, and terminate likewise against the barbettes for this thinger helt also turn slantingly inhomed and athwartships and behind a protective deck, slightly thicker. Trust he sides are of a more the line of the protective deck, alightly thicker. Trust he pr

if rests upon its carriage; has a total length of 38 feet, and a greater diameter of nearly 4 feet at the broach. The bore is rifled with 45 twisting grooves that bite into the copper band on the base of the projectiles, and give them that rapid rotation so essential to accuracy of flight and high power of penetration. With an impulse of 430 pounds of powder, the \$50-pound shot of hardened steel goes speeding on its mission of destruction with an initial velocity of 2,100 feet a second—the equivalent of something over 1,400 miles an hour. With the greatest elevation permitted by the turret ports, t. e., 15 degrees, each of these guns has a range of quite 55 miles. Bombarding a city from that distance, the shot would reach its destination in a scant 24 seconds—three whole seconds hadvance of the sound of the discharge that sent it. At the muzzle one of these guns could send an armor-piercing abot right through 25 inches of solid steel, and a mile and a half away the same kind of shot would so undefortmed through 19 inches of the same kind of material. The destructive impulse latent in that shot as it leaves the gun is equivalent to the force required to raise one foot twice the total weight of the whole ship when heavy laden.

The 8-tinch guns are protected by 5

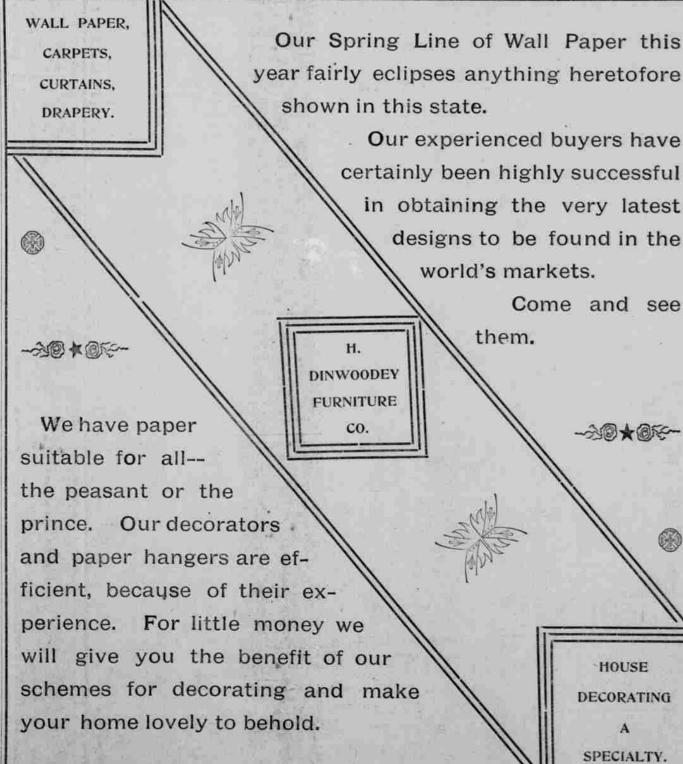


PREPARATIONS FOR WAR.

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How the Work is Rushed at Uncle Sam's Big Gun Factory.

In these, days of preparation for war the Washington may yard is one of the most interesting spots to be found anywhere. Service that are interested to be serviced to be serviced and powerful specific to the service that are interested to be serviced to the service that are interested to be serviced to the service that are interested to the service that are int



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